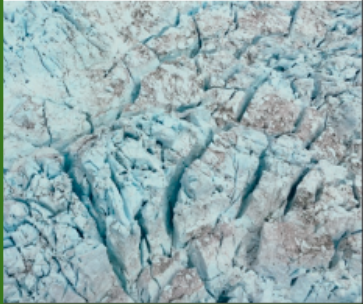




Year 6 - Our Changing World

Key Vocabulary	
acidic	A chemical substance, usually a liquid, which reacts with other substances to form salts. Some acids burn or dissolve other substances that they come into contact with.
border/boundary	The outer part or edge of a region or country that divides it from another.
deposition	When material/sediment is moved and dropped off in a different place.
dissolve	When a solid substance mixes with a liquid to make a solution.
erosion	When natural materials are worn away and transported to a different place.
weathering	The process of wearing away rocks by the weather.

As geographers, you will see erosion first hand on our trip to Formby. You will see sand being blown off the top of the sand dunes and the power of the sea, these factors mean that coastal change in Formby is constant.

Physical Weathering	Chemical Weathering	Biological Weathering
<p>Water gets into cracks in the rock, it can then freeze causing the water to expand creating cracks in the rock.</p> 	<p>Slightly acidic rainwater can cause a chemical reaction and over time this can dissolve some of the rock.</p> 	<p>Caused by animals and plants. Roots can grow under rocks and cause damage, animals can wear away paths, dig holes etc.</p> 

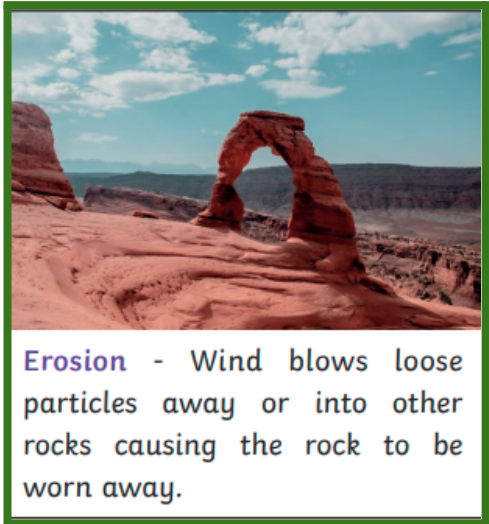
Weathering and Erosion

Weathering is the process of wearing away rocks by the weather.

There are three different types of **weathering**:

- physical **weathering**
- chemical **weathering**
- biological **weathering**

Erosion is where natural materials are worn away and transported by environmental features such as water, wind and ice.

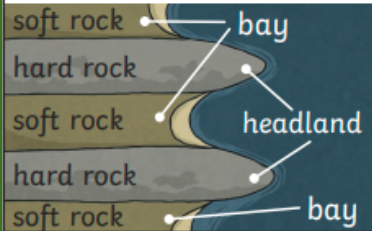


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Features of Coastlines

Bays and Headlands

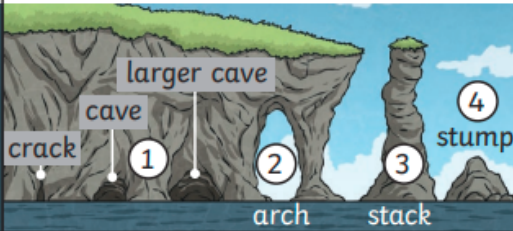
Where there is harder and softer rock, the softer rock will **erode** more quickly and can form bays. The harder rock **erodes** more slowly and can form headlands surrounding bays.



Arches, Stacks and Stumps

Softer or weak sections of the rock are **eroded** more easily.

1. Over time, waves cause cracks to open forming caves.
2. If a cave forms in a headland, it may break through causing an arch to form.
3. The top of the arch can weaken and may collapse into the sea leaving a stack.
4. Over time, the stack will **erode** leaving a small stump of rock.



Spits

Formed by **deposition**.

1. The tide carries **eroded** material along the coastline.
2. **Deposits** form a long, thin sandy area of land.
3. Changing winds may cause the spit to form a hook shape.
4. Mud flats develop on the inland side of the spit.



Why Do Boundaries Change?

Many countries and **borders** across the world **have** and are **still** changing due to:

Human Political Activity

- Tribes claiming areas of land
- Invasion/war
- Migration of other settlers
- Royal/political union

Natural Activity

- Rising sea levels
- Natural processes and events e.g. changing river courses, volcanic eruptions.



These include the UK and other countries in Europe such as Germany, Poland and Czechoslovakia. These changes can have an impact on the **borders**, language, religion and culture of the country.

Changing Landscapes

Landscapes can change over time for many different reasons:

- New houses/buildings and roads are built
- Old buildings are demolished or updated
- Areas of land may be cleared for farming or building

Some landscapes are important and there are things in place to stop development such as:

- Listed buildings
- National/country Parks
- Green belt/conservation areas
- Sites of Special Scientific Interest
- World Heritage Sites

